



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER **PO038998**

Supplier: ROY002-VU
Royal Bank Visa
x
xx
ON
0 Canada
Phone: 0
Fax: 0

PO No: PO038998

PO Date: 2/8/18

Due Date: 2/14/18

Purchase Order
Revision:

Revision Date:

Ship-To Contact: Lavoie, Chantal
clavoie@dartaero.com

E-MAILED
FEB 08 2018

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground

Pymt Terms: COD

Freight Terms:

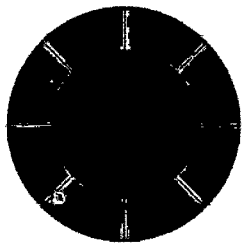
Special Comments: simco coating

Items

Line Item	Part	Supplier Part No	Item No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
1		MIL-T-81772 II	Mil-t-81772 II	Thinner Epoxy Paint	Firmed	2/14/18	2 Ea	0 Ea	2 Ea	\$36.50/Ea	\$73.00
Line Item Note		ANDY									
2		Millguard-23377	Millguard-23377	Part Epoxy Primer Yellow	Firmed	2/14/18	3 Ea	0 Ea	3 Ea	\$135.00/Ea	\$405.00
Line Item Note		type -I-class -N									
3			Miscellaneous Expense-Crosstubes	hazmat fee	Firmed	2/14/18	1 Ea	0 Ea	1 Ea	\$150.00/Ea	\$150.00
Grand Total:											\$628.00

Order Notes

Plex 2/8/18 3:19 PM dart.lavoie.chantal



Simco Coatings Inc.

Manufacturer of Military Spec.,
Corps of Engrs. Spec, Industrial, &
Marine Coatings

CERTIFICATE OF CONFORMANCE

February 9, 2018

Dart Aerospace Ltd.
1270 Aberdeen
Hawkesbury, ON K6A 1K7
Canada

To Whom It May Concern:

This is to certify that the following Products supplied to Dart Aerospace Ltd. under their Purchase Order # PO38998 dated February 9, 2018 conforms to specifications as mentioned below:

Product Description

Quantity

1.) Milguard-23377, (Component-A)
Epoxy Primer Coating Yellow

3 Gallons

(Each Short Filled to 0.75 Gallon Can)

Conformance: MIL-PRF-23377K, Type-I, Class-N

Batch No. 9183-B-I18 D.O.M.: 02/2018 D.O.E.: 02/2019

2.) Milguard-23377, (Component-B)

3 Quarts

Hardener for Epoxy Primer

Conformance: MIL-PRF-23377K, Type-I, Class-N

Batch No. 9184-B-I18 D.O.M.: 02/2018 D.O.E.: 02/2019

3.) T-81772 (II)

2 Gallons

Epoxy Paint Thinner

Conformance: MIL-T-81772, Type II

Batch No. 9176-B-I18 D.O.M.: 02/2018 D.O.E.: 02/2019

We also confirm that these materials were tested and their test results meet the same specifications.

Furthermore, to best of our knowledge, these products do not contain mercury and did not come in contact with mercury or its compounds during their manufacture at our facility.

Shelf Life:

Both components of this Paint (Part A & Part B) which can be stored for at least 1 year in their original containers, and at ambient laboratory conditions (normal 23 °C (75 °F), when mixed as specified shall produce a paint, which shall meet all the requirement of this specification.

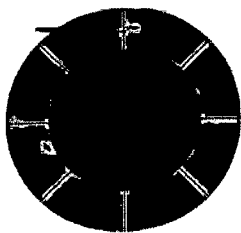
A.J. Juneja (on Behalf of Paul Juneja)
Quality Assurance Manager

Simco Coatings Inc.

211 Gunther Ln., Belle Chasse, Louisiana 70037 U.S.A.

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TECHNICAL DATA SHEET

MILGUARD-23377 **EPOXY-POLYAMIDE PRIMER**

DESCRIPTION: Milguard-23377 is a two component, high solids, VOC compliant epoxy polyamide primer with excellent chemical, solvent and corrosion resistance suitable to be used on Aluminum, Steel and Galvanized Substrates.

CONFORMANCE: This product conforms to MIL-PRF-23377 Revision K (the latest revision). Both Type I & II, and Class C2 & Class N, in Yellow or Green are available. This data sheet can be used for certain previous revisions of MIL-PRF-23377 & MIL-P-23377. Contact us for details.

Class-C2: Strontium Chromate Based Corrosion-Inhibitors

Class-N: Non-Chromate Based Corrosion-Inhibitors

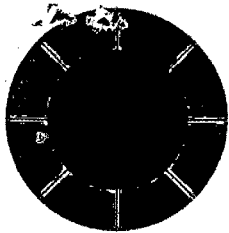
Type I: Standard Pigments

Type II: Low infrared reflective pigments

TECHNICAL DATA

GENERIC TYPE:	Epoxy Resin and Polyamide Curing Agents
COLOR:	Yellow or Dark Green
FINISH:	Semi-Gloss
VOLATILE ORGANIC COMPOUNDS: (MIXED VOC)	2.8 Lbs./Gallon or 340 g/l
MIX RATIO:	3:1 by Volume
SOLIDS BY VOLUME:	60 % (Mixed)
THEORETICAL SPREADING RATE:	Approx. 1,200 sq. ft/gal. @ 1.0 Mil DFT
RECOMMENDED DRY FILM THICKNESS (DFT):	1.0 -1.5 Mils (25 - 38 Microns)
POT LIFE @ 77 ° F, 50% RH:	4 Hrs.
SHELF LIFE:	12 Months
FLASH POINT:	102°F
REDUCER/CLEAN UP:	Epoxy Thinner MIL-T-81772, Type-II
DRY TIME @ 77 °F:	
TACK FREE:	5 Hrs.
DRY HARD:	8 Hrs.
MINIMUM RECOAT:	12 Hrs.
MAXIMUM RECOAT:	3 Days

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MILGUARD-23377
EPOXY-POLYAMIDE PRIMER

NON-WARRANTY:

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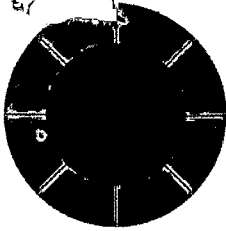
this product, no warranty, expressed or implied, is intended or given. Simco Coatings, Inc., assumes no responsibility whatsoever for coverage, performance, or any other damages, including injuries resulting from use of this information or of products recommended herein.

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MILGUARD-23377
EPOXY-POLYAMIDE PRIMER

APPLICATION EQUIPMENT (CONTINUED):

Reduction.....Not recommended

CONVENTIONAL SPRAY

Gun.....DeVilbiss MBC510

Fluid Tip.....FF

Air Cap.....797

Atomization Pressure.....50-60 psi

Fluid Pressure.....10-15 psi

Reduction.....Not recommended

APPLICATION PROCEDURES:

Mix contents of both Part A & B thoroughly with power agitation. Make certain no pigment remains on the bottom of the can. Then combine three parts by volume of Part-A with one part by volume of Part-B. Thoroughly agitate the mixture with power agitation.

PERFORMANCE TIPS:

Stripe coats all crevices, welds and sharp angles to prevent early failure in these areas.

When using spray application, use a 50% overlap with each pass of the gun to avoid holidays, bare areas, and pinholes. If necessary, cross spray at a right angle.

Spreading rates are calculated on volume solids and do not include an application loss factor due to surface profile, roughness or porosity of the surface, skill and technique of the applicator, method of application, various surface irregularities, material lost during mixing, spillage, over thinning, climatic conditions, and excessive film build.

Excessive reduction of material can affect film build, appearance, and adhesion.

Do not apply the material beyond recommended pot life

Do not mix previously catalyzed material with new.

In order to avoid blockage of spray equipment, clean equipment before use or before periods of extended downtime with Epoxy Thinner MIL-T-81772, Type-II

SAFETY PRECAUTIONS:

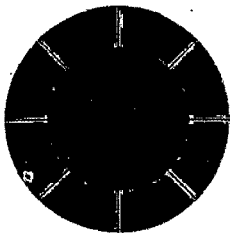
(A) Use normal precautions such as gloves, facemasks. (B) Adequate ventilation must be maintained. (C) Explosion proof lights and electrical equipment. (D) Non-sparking shoes and tools for workers in the area. (E) This product contains flammable materials. Forbid all flames, smoking and welding in the work area. (F) Avoid breathing of vapor, contact with skin and eyes.

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TECHNICAL DATA SHEET

THINNER FOR AIRCRAFT & MARINE COATINGS **(CONFORMANCE: MIL-T-81772)**

DESCRIPTION: This specification covers the requirements for three types of thinner to be used in reducing marine and aircraft coatings.

These Thinners are furnished in the following types.

TYPE-I: POLYURETHANE THINNER
TYPE-II: EPOXY THINNER
TYPE-III: ACRYLIC AND ALKYD THINNER

CONFORMANCE: This product conforms to MIL-T-81772, Type I, II or III Revision B (the latest Revision).

These Thinners are formulated according to the exact proportions of the various solvents as described in the specification.

	<u>TYPE-I</u>	<u>TYPE-II</u>	<u>TYPE-III</u>
MIN. FLASH POINT °F (°C)	22°F (- 5°C)	32°F (0°C)	30°F (-1°C)

INTENDED USES:

TYPE-I

Polyurethane Thinner is intended for use with:

MIL-PRF-83231, 83286, 85285, 85322 (2 Part Aliphatic Polyurethane Coatings).
MIL-DTL-46168 (2 Part CARC Polyurethane Coating)

TYPE-II

Epoxy Thinner is intended for use with:

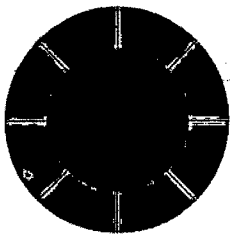
MIL-DTL-24441 Paint & Primer all Types.
MIL-PRF-22750 Epoxy Polyamide Coatings
MIL-PRF-23236 Epoxy Primers & Coatings
MIL-PRF-23377 Epoxy Polyamide Primer Coatings.
MIL-DTL-53022 Epoxy Primer
MIL-PRF-4556 Epoxy Primer & Topcoat

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THINNER FOR AIRCRAFT & MARINE COATINGS
(CONFORMANCE: MIL-T-81772)

TYPE-III

Acrylic and Alkyd Thinner

Suitable to be used with Acrylic and Alkyd Paint.

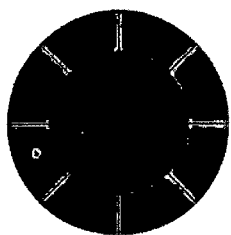
Can also be used as Lacquer Thinner in N/C based Lacquer.

SAFETY PRECAUTIONS:

- (A) Use normal precautions such as gloves and facemasks.
- (B) Adequate ventilation must be maintained.
- (C) Explosion proof lights and electrical equipment.
- (D) Non-sparking shoes and tools for workers in area.
- (E) This product contains flammable materials. Forbid all flames, smoking and welding in work area.
- (F) Avoid breathing of vapor, contact with skin and eyes. If product comes in contact with skin or eyes, wash thoroughly with water and obtain immediate medical attention.

NON-WARRANTY: The technical data listed herein has been compiled for your convenience and guidance, and is based upon our experience and knowledge. However, since we have no control over the use of this information or of this product, no warranty, expressed or implied, is intended or given. Simco Coatings, Inc., assumes no responsibility whatsoever for coverage, performance or any other damages, including injuries resulting from the use of this information or of products recommended herein.

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TECHNICAL DATA SHEET

MILGUARD-23377 **EPOXY-POLYAMIDE PRIMER**

DESCRIPTION: Milguard-23377 is a two component, high solids, VOC compliant epoxy polyamide primer with excellent chemical, solvent and corrosion resistance suitable to be used on Aluminum, Steel and Galvanized Substrates.

CONFORMANCE: This product conforms to MIL-PRF-23377 Revision K (the latest revision). Both Type I & II, and Class C2 & Class N, in Yellow or Green are available. This data sheet can be used for certain previous revisions of MIL-PRF-23377 & MIL-P-23377. Contact us for details.

Class-C2: Strontium Chromate Based Corrosion-Inhibitors

Class-N: Non-Chromate Based Corrosion-Inhibitors

Type I: Standard Pigments

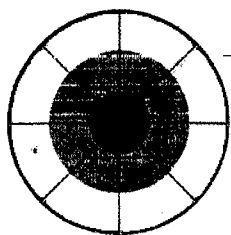
Type II: Low infrared reflective pigments

TECHNICAL DATA

GENERIC TYPE:	Epoxy Resin and Polyamide Curing Agents
COLOR:	Yellow or Dark Green
FINISH:	Semi-Gloss
VOLATILE ORGANIC COMPOUNDS: (MIXED VOC)	2.8 Lbs./Gallon or 340 g/l
MIX RATIO:	3:1 by Volume
SOLIDS BY VOLUME:	60 % (Mixed)
THEORETICAL SPREADING RATE:	Approx. 1,200 sq. ft/gal. @ 1.0 Mil DFT
RECOMMENDED DRY FILM THICKNESS (DFT):	1.0 -1.5 Mils (25 - 38 Microns)
POT LIFE @ 77 ° F, 50% RH:	4 Hrs.
SHELF LIFE:	12 Months
FLASH POINT:	102°F
REDUCER/CLEAN UP:	Epoxy Thinner MIL-T-81772, Type-II
DRY TIME @ 77 °F:	
TACK FREE:	5 Hrs.
DRY HARD:	8 Hrs.
MINIMUM RECOAT:	12 Hrs.
MAXIMUM RECOAT:	3 Days

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MILGUARD-23377
EPOXY-POLYAMIDE PRIMER

SURFACE PREPARATION: Surface must be clean, dry, and in sound condition. Remove all oil, dust grease, dirt, loose rust, and other foreign material to ensure adequate adhesion.

IRON & STEEL SUBSTRATES: Remove all oil and grease from surface by solvent cleaning per SSPC-SPI. Minimum surface preparation is commercial blast cleaning per SSPC-SP6. For better performance, use near White Metal Blast Cleaning Per SSPC-SP10. Blast clean all surfaces using a sharp, angular abrasive for optimum surface profile (2 mils). Remove all weld spatter and all round sharp edges by grinding to a minimum 1/4" radius. Prime any bare steel the same day as it is cleaned or before flash rusting occurs.

ALUMINUM SUBSTRATES: Remove all oil, grease dirt, oxide and other foreign material by solvent cleaning per SSPC-SP1.

APPLICATION CONDITIONS:

Temperature: 50°F Minimum, 100°F Maximum (Air, Surface and Material)
At least 5 ° F above dew point
Relative Humidity: 65% maximum

MIXING & INDUCTION TIME REQUIREMENT:

Using the proportion of 3:1 of Component A to Component B, do the following: Agitate Component A by itself with a hand spatula, and then slowly pour in Component B (Hardener/Activator) and mix till mixture is smooth and uniform. At a temperature range of 70°F – 80°F, let mixture stand for 15 - 25 minutes after mixing both components and before application. Colder temperatures will require a longer induction time.

APPLICATION EQUIPMENT:

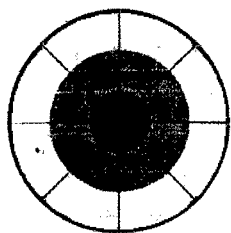
The following is a guide. Changes in pressures and tip sizes may be needed for proper spray characteristics. Always purge spray equipment before use with listed reducer. Any reduction must be compatible with the existing environmental and application conditions.

Reducer/Clean Up.....MIL-P-81772, Type-II

Airless Spray

Unit.....30:1 Pump
Pressure.....2400-2800 psi
Hose.....1/4" ID
Tip......009"-.015"
Filter.....60 Mesh

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MILGUARD-23377
EPOXY-POLYAMIDE PRIMER

APPLICATION EQUIPMENT (CONTINUED):

Reduction.....Not recommended

CONVENTIONAL SPRAY

Gun.....DeVilbiss MBC510

Fluid Tip.....FF

Air Cap.....797

Atomization Pressure.....50-60 psi

Fluid Pressure.....10-15 psi

Reduction.....Not recommended

APPLICATION PROCEDURES:

Mix contents of both Part A & B thoroughly with power agitation. Make certain no pigment remains on the bottom of the can. Then combine three parts by volume of Part-A with one part by volume of Part-B. Thoroughly agitate the mixture with power agitation.

PERFORMANCE TIPS:

Stripe coats all crevices, welds and sharp angles to prevent early failure in these areas.

When using spray application, use a 50% overlap with each pass of the gun to avoid holidays, bare areas, and pinholes. If necessary, cross spray at a right angle.

Spreading rates are calculated on volume solids and do not include an application loss factor due to surface profile, roughness or porosity of the surface, skill and technique of the applicator, method of application, various surface irregularities, material lost during mixing, spillage, over thinning, climatic conditions, and excessive film build.

Excessive reduction of material can affect film build, appearance, and adhesion.

Do not apply the material beyond recommended pot life

Do not mix previously catalyzed material with new.

In order to avoid blockage of spray equipment, clean equipment before use or before periods of extended downtime with Epoxy Thinner MIL-T-81772, Type-II

SAFETY PRECAUTIONS:

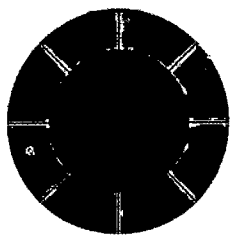
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SAFETY DATA SHEET

1. IDENTIFICATION

**MANUFACTURER'S
NAME:**

Simco Coatings
211 Gunther Lane
Belle Chasse, LA. 70037

Simco Coatings Phone:
Product Information:
Fax Number:

PRODUCT NUMBER:
PRODUCT NAME:
PRODUCT USE:
Date of SDS Preparation:

**FOR 24 HOUR EMERGENCY ASSISTANCE
CALL CHEMTREC**

CHEMTREC DOMESTIC NORTH AMERICA: (800)-424-9300
CHEMTREC INTERNATIONAL: (703)-527-3887

(504)-393-9455
(866)-957-4626
(504)-433-1406

MIL-PRF-23377 Yellow Comp A
MIL-PRF-23377 Rev K, Type I, Class N, Yellow
Epoxy Polyamide Primer
October, 2017

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATION:

Flammable liquids	Category 2
Skin irritation	Category 2
Eye irritation	Category 2A
Skin Sensitization	Category 1
Specific target organ toxicity (single exposure)	Category 3 (central nervous system)
Specific target organ toxicity (repeated exposure)	Category 1 (lungs)
Carcinogen	Category 1A
Aquatic Toxicity (acute)	Category 2
Aquatic Toxicity (chronic)	Category 3

GHS LABEL ELEMENT:

Pictograms:



Signal Word: **DANGER**

HAZARD STATEMENTS

H226	Flammable liquid and vapor.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H350	May cause lung cancer if inhaled as respirable silica (in sanding operations).
H372	Causes damage to the lungs through prolonged or repeated exposure of respirable silica (in

	sanding operations).
H401	Toxic to aquatic life.
H412	Harmful to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS

PREVENTION

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P241	Use explosion proof equipment and lighting.
P242	Use non-sparking tools.
P243	Take action to prevent static discharge.
P260	Do not breathe mist, spray or vapors.
P264	Wash hands thoroughly after handling
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in well ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves, protective clothes and eye protection

RESPONSE

P303 + 361 + 353	IF ON SKIN (or hair), take off immediately all contaminated clothing and wash before reuse. Rinse skin with plenty of water.
P333 + 313	If skin irritation or rash occurs: Get medical attention.
P362 + 364	Take off contaminated clothing and wash it before reuse.
P301 + 312 + 330	IF SWALLOWED: Call a doctor for advice if you do not feel well. Rinse mouth.
P304 + 340	IF INHALED, remove person to fresh air and keep comfortable for breathing.
P312	Call a physician if you feel unwell.
P305 + 351 + 338	IF IN EYES, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P337 + 313	If eye irritation persists, get medical attention
P308 + 313	If exposed or concerned, get medical attention.
P370 + 378	In case of fire, use alcohol resistant foam, carbon dioxide, dry chemical or water fog to extinguish. Do not use water jet.

STORAGE

P403 + 233 + 235	Store in a well ventilated place and keep cool and tightly closed.
P405	Store locked up.

DISPOSAL

P501	Dispose of contents/container to an approved disposal facility and in accordance with federal, state and local regulations.
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3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS	% Range
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Epoxy resin	proprietary	30-40
Zinc phosphate	7779-90-0	10-20
Magnesium silicate	14807-96-6	10-20
Magnesium calcium carbonate	16389-88-1	1-5
Crystalline silica	14808-60-7	0.1-0.5
Titanium dioxide	13463-67-7	10-20
Yellow Iron Oxide	51274-00-1	1-5
Zinc oxide	1314-13-2	1-5
Methyl amyl ketone	110-43-0	20-30

4. FIRST AID MEASURES

EMERGENCY AND FIRST AID PROCEDURES:

Acute Effects of Exposure: Causes skin irritation and allergic skin reaction and rash. Causes serious eye irritation and redness. May cause respiratory irritation.

Chronic Effects of Exposure: Inhalation of respirable silica, as in sanding operations, may cause lung cancer.

IF ON SKIN (or hair), take off immediately all contaminated clothing and wash before reuse.

Rinse skin with plenty of water.

If skin irritation or rash occurs: Get medical attention.

Take off contaminated clothing and wash it before reuse.

IF SWALLOWED, immediately call a POISON CENTER/DOCTOR for assistance.

IF INHALED, remove person to fresh air and keep comfortable for breathing. Call a physician if not feeling well.

IF IN EYES, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical attention.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: alcohol resistant foam, carbon dioxide, dry chemical or water fog to extinguish.

UNACCEPTABLE EXTINGUISHING MEDIA: Do not use water jet.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Keep containers tightly closed. Isolate from heat, electrical equipment, spark & open flame, closed containers may explode when exposed to extreme heat. Do not apply to hot surfaces. Paint vapors can cause a violent explosion. Supply sufficient ventilation to keep vapors below LEL level. Use explosion proof equipment.

Special Fire-fighting Procedures:

Water may be used to cool closed containers to prevent pressure build up and possible auto ignition or explosion when exposed to extreme heat. If water is used, fog nozzles are required.

6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Remove all sources of ignition (flame, hot surfaces, and electrical static or frictional sparks). Avoid breathing vapors; ventilate area, remove with inert absorbent and non-sparking tools.

7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:

Do not breathe vapors or spray. Do not eat, smoke or drink when using this product. Wash hands thoroughly after handling. Wear protective gloves, protective clothing and eye protection and face protection when handling. Wash hands after handling. Do not eat, drink or smoke in work area.

CONDITIONS FOR SAFE STORAGE:

Keep away from hot surfaces and other sources of ignition. Store in cool, secure, well ventilated area.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS	Chemical	Value type	Control Parameter	Basis
7779-90-0	Zinc phosphate	TWA	10 mg/cubic meter (total dust)	ACGIH
14808-60-7	Crystalline Silica	TWA	0.025 mg/cubic meter	NIOSH REL
13463-67-7	Titanium dioxide	PEL	15 mg/cubic meter (total dust)	OSHA Z-1
1314-13-2	Zinc oxide	TWA	5 mg/cubic meter (dust)	NIOSH REL
		CEILING	15 mg/cubic meter (dust)	NIOSH REL
		TWA	15 mg/cubic meter (dust); 5 mg/cubic meter (respirable fraction)	OSHA PEL
		TWA	2 mg/cubic meter (respirable fraction)	ACGIH TLV
		STEL	10 mg/cubic meter (respirable fraction)	ACGIH TLV
110-43-0	Methyl Amyl Ketone	TWA	50 ppm	ACGIH
		TWA	100 ppm, 465 mg/cubic meter	NIOSH REL
		TWA	100 ppm, 465 mg/cubic meter	OSHA Z-1
		TWA	100 ppm, 465 mg/cubic meter	OSHA P0

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Yellow liquid
Odor	Pungent solvent odor
Odor threshold	No data
pH	No data
Freezing point	No data
Initial boiling point	306 F
Flash point	102 F

Evaporation rate	0.34 (n-butyl acetate = 1)
Flammability	No Data
Burning rate	No data
Lower explosive limit	No data
Upper explosive limit	No data
Vapor pressure	2.8 mbar @ 68 F
Relative vapor density	No data
Relative density	1.3-1.5
Water solubility	No data
Partition coefficient (n-octanol/water)	No data
Autoignition temperature	739 F
Thermal decomposition temperature	No data
VOC	2.77 lbs/gal or 332 grams/liter

10. STABILITY AND REACTIVITY

STABILITY: Stable under normal conditions.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon oxides.

CONDITIONS TO AVOID: Sources of ignition, excessive temperatures.

INCOMPATIBLE MATERIALS: Oxidizing agents, reducing agents, acids, bases.

11. TOXICOLOGICAL PROPERTIES

<u>Epoxy Resin (proprietary CAS)</u> Oral LD50: 11,400 mg/kg (rat) Dermal LD50: 2,000 mg/kg (rat) Skin irritation: Score 1.5-2 (rabbit), Erythema/Eschar 404; Score 1.0-1.5 (rabbit), Edema 404 Eye irritation: Score 0 (rabbit); Score 0.7 (rabbit), redness of conjunctivae.	<u>Zinc Phosphate (7779-90-0)</u> Oral LD50: > 5,000 mg/kg (rat) Inhalation LC50: >5.7 mg/liter Intraperitoneal LD50: 522 mg/kg
<u>Methyl Amyl ketone (110-43-0)</u> Oral LD50: 1,670 mg/kg (rat) Dermal LD50: >2,000 mg/kg (rat) Inhalation LC50: >16.7 mg/liter, 4 hours (rat) Not dermal irritant: 4 hours (rabbit) Not eye irritant: (rabbit) Not dermal or respiratory irritant: lymph node assay (mouse) Not mutagen: Mammalian cell gene mutation assay (mouse); DNA damage and repair (rat, female)	<u>Crystalline Silica 14808-60-7)</u> Oral LD50: >22,500 mg/kg (rat) Carcinogenicity: IARC Group 1 carcinogen; ACGIH Group A2 (suspected human carcinogen).
	<u>Zinc Oxide (1314-13-2)</u> Oral LD50: >15,000 mg/kg (rat) Oral LD50: 7,950 mg/kg (mouse) Inhalation LC50: >5.7 mg/liter (rat), 4 hours

12. ECOLOGICAL INFORMATION

Since this product is a mixture, Category 2 for acute aquatic toxicity has been estimated using formula 4.1.3.5.2(a) per the GHS regulations. Category 3 for chronic aquatic toxicity is estimated. This product has not been tested for

ecotoxicity and ecotoxicity data is not available for all ingredients. Individual components that have available data are shown below:

<p><u>Epoxy Resin (proprietary CAS)</u> Fish: LC50 1.3 mg/liter (Brachydanio rerio) , 96 hours, OECD 203 Daphnia and other invertebrates: EC50: 2.1 mg/l, 24 hrs (Daphnia magna), OECD 202 Algae: EC50: >11 mg/liter, 72 hrs. Log POW: 2.64-3.78</p>	<p><u>Zinc phosphate (7779-90-0)</u> Fish: LL50: 0.14-2.6 mg/l as zinc (Oncorhynchus mykiss- Rainbow Trout), 96 hours. Semi-static test Daphnia and other inveterbrates: EC50: 0.413 mg/l as zinc, 48 hrs (Ceriodaphnia dubia), Static Test Algae: EC50: 0.136-0.150 mg/l as zinc, 72 hrs. (Selenastrum capricornutum)</p>
<p><u>Yellow iron oxide (51274-00-0)</u> Fish: LC50: >100,000 mg/l (Danio rerio), 96 hours. Semi-static test Daphnia and other inveterbrates: EC50: >100 mg/l, 48 hrs (Daphnia magna), Static Test.</p>	<p><u>Zinc oxide (1314-13-2)</u> Fish: LL50: 1.1 mg/l (Oncorhynchus mykiss- Rainbow Trout), 96 hours. Semi-static test Daphnia and other inveterbrates: EC50: 2.0 mg/l, 48 hrs (Daphnia magna), Static Test Algae: IC50: 0.63 mg/l, 72 hrs. (Pseudokirchneriella subcapita) Ecotoxicity Assessment: Toxic to aquatic life Chronic aqua/toxicity: Toxic to aquatic life with long lasting effects</p>
<p><u>Methyl Amyl Ketone (110-43-0)</u> Fish: LC50 131 mg/liter (Pimephales promelas) , 96 hours Daphnia and other invertebrates: EC50: >100 mg/l, 48 hrs (Daphnia magna), Static Test Algae: EC50: 98.2 mg/l, 72 hrs. (Selenastrum capricornutum)</p>	

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD:

Dispose in accordance with local, state and federal regulations. Do not incinerate closed containers.

14. TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION or INTERNATIONAL AIR TRANSPORT ASSOCIATION or INTERNATIONAL MARITIME ORGANIZATION:

PROPER SHIPPING NAME: PAINT RELATED MATERIAL
UN OR ID NUMBER: U.N. 1263

HAZARD CLASS: 3
PACKING GROUP: III

Components listed as Marine Pollutants: none.

Components otherwise identified as toxic to aquatic environments: zinc oxide.

15. REGULATORY INFORMATION

The following components are subject to the Emergency Planning and Community Right- To-Know Act (EPCRA), Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) or Section 112(r) of the Clean Air Act:

Zinc phosphate: listed for CERCLA reporting as zinc compound without assigned RQ value. Listed for reporting under EPCRA Section 313.

Zinc oxide: listed for CERCLA reporting as zinc compound without assigned RQ value. Listed for reporting under EPCRA Section 313.

California Proposition 65: WARNING: This product contains a chemical known to the State of California to cause cancer: crystalline silica (14808-60-7).

SARA 311/312 Hazards: Fire Hazard, Acute Health Hazard, Chronic Health Hazard

Toxic Substances Control Act: All components of this product are either listed on the TSCA inventory or are exempt. This product contains no chemicals subject to the reporting requirements of TSCA 12(B) if exported from the United States.

16. OTHER INFORMATION

Abbreviations and Notations:

ACGIH: American Conference of Governmental Industrial Hygienists

AIHA: American Industrial Hygiene Association

CAL/OSHA: California Division of Occupational Safety and Health

CERCLA: Comprehensive Environmental Response, Compensation and Liability Act

COD: Chemical Oxygen Demand

EbC50: the concentration at which 50% reduction in biomass is observed

EC50: Effective Concentration, Half Maximal

ErC50: EC50 the concentration at which a 50% inhibition in growth rate is observed

LC50: Lethal Concentration 50%

LD50: Lethal Dose 50% (median value)

LD_{Lo}: Lethal Dose (lowest value)

LD_{Lo}: Lethal Dose (lowest value)

LL50: Lethal Level 50%

NOEC: No Observed Effect Concentration

OEL: Occupational Exposure Limit

OSHA: Occupational Safety and Health Administration

PEL: Permissible Exposure Limit

ThOD: Theoretical Oxygen Demand

TWA: Time Weighted Average

WEEL: Workplace Environmental Exposure Level

Date of SDS Preparation: October, 2017

GHS SAFETY DATA SHEET

1. IDENTIFICATION

**MANUFACTURER'S
NAME:**

Simco Coatings
211 Gunther Lane
Belle Chasse, LA. 70037

Simco Coatings Phone:
Product Information:
Fax Number:

PRODUCT NUMBER:
PRODUCT NAME:
PRODUCT USE:
Date of SDS Preparation:

**FOR 24 HOUR EMERGENCY ASSISTANCE
CALL CHEMTREC**

CHEMTREC DOMESTIC NORTH AMERICA: (800)-424-9300
CHEMTREC INTERNATIONAL: (703)-527-3887

(504)-393-9455
(866)-957-4626
(504)-433-1406

MIL-PRF-23377 Rev. K, Type I, Class N
Hardener for Epoxy Polyamide Primer (Component B)
Epoxy Polyamide Protective Coating
March, 2017

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATION:

Flammable liquids	Category 3
Skin irritation	Category 2
Eye irritation	Category 1
Skin sensitization	Category 1
Specific Target Organ Toxicity (single exposure)	Category 3
Aspiration hazard	Category 1

GHS LABEL ELEMENT:

Pictograms:



Signal Word: **DANGER**

HAZARD STATEMENTS

H226	Flammable liquid and vapor.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.

PRECAUTIONARY STATEMENTS

PREVENTION

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P241	Use explosion proof application equipment.
P242	Use non-sparking tools.
P243	Take action to prevent static discharges.
P261	Avoid breathing mist, spray or vapors.
P264	Wash hands thoroughly after handling
P271	Use only outdoors or in well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves, protective clothes and eye protection

RESPONSE

P303 + 361 + 353	IF ON SKIN (or hair): take off immediately all contaminated clothing and wash before reuse. Rinse skin with plenty of water.
P333 + 313	If skin irritation or rash occurs: Get medical advice.
P362 + 364	Take off contaminated clothing and wash it before reuse.
P301 + 310 + 331	IF SWALLOWED: Immediately call a doctor if you feel unwell. Do NOT induce vomiting.
P304 + 340	IF INHALED: remove person to fresh air and keep comfortable for breathing.
P312	Call a doctor if you do not feel well.
P305 + 351 + 338	IF IN EYE: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
H310	Immediately call a doctor for advice.
P370 + 378	In case of fire: Use alcohol resistant foam, carbon dioxide, dry chemical or water fog to extinguish.

STORAGE

P403 +233 + 235	Store in a well-ventilated place. Keep container cool and tightly closed.
P405	Store locked up.

DISPOSAL

P501	Dispose of contents/container to an approved disposal facility and in accordance with federal, state and local regulations.
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3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS	% Range
Propriety Epoxy-Amine Curing Agent	Proprietary	55-65
Triethylenetetramine	112-24-3	1-3
Proprietary Reacted Amine	Proprietary	1-5
Proprietary Amine Products	Proprietary	1-3
n-Butanol	71-36-3	15-30
Light aromatic naphtha	64742-95-6	10-20

Trimethylbenzene	25551-13-7	10-20
1,2,4-trimethylbenzene	95-63-6	5-10
1,3,5-trimethylbenzene	108-67-8	1-5
1,2,5-trimethylbenzene	526-73-8	1-5
Cumene	98-82-8	0-3

4. FIRST AID MEASURES

EMERGENCY AND FIRST AID PROCEDURES:

Acute Effects of Exposure: Causes serious eye damage, skin irritation, allergic skin reaction and respiratory irritation. May be fatal if swallowed and enters airways.

Chronic Effects of Exposure: May causes damage to the central nervous system.

IF ON SKIN (or hair): take off immediately all contaminated clothing and wash before reuse.

Rinse skin with plenty of water. If skin irritation or rash occurs, get medical advice.

IF SWALLOWED: immediately call a POISON CENTER/DOCTOR for assistance. DO NOT INDUCE VOMITING.

IF INHALED: remove person to fresh air and keep comfortable for breathing.

IF IN EYES: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: alcohol resistant foam, carbon dioxide, dry chemical or water fog to extinguish.

UNACCEPTABLE EXTINGUISHING MEDIA: Do not use water jet.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Keep containers tightly closed. Isolate from heat, electrical equipment, spark & open flame, closed containers may explode when exposed to extreme heat. Do not apply to hot surfaces. Paint vapors can cause a violent explosion. Supply sufficient ventilation to keep vapors below LEL level. Use explosion proof equipment.

Special Fire-fighting Procedures:

Water may be used to cool closed containers to prevent pressure build up and possible auto ignition or explosion when exposed to extreme heat. If water is used, fog nozzles are required.

6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Remove all sources of ignition (flame, hot surfaces, and electrical static or frictional sparks). Avoid breathing vapors; ventilate area, remove with inert absorbent and non-sparking tools.

7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:

Do not breathe vapors or spray. Do not eat, smoke or drink when using this product. Wash hands thoroughly after handling. Wear protective gloves, protective clothing and eye protection and face protection when handling. Wash hands after handling. Do not eat, drink or smoke in work area.

CONDITIONS FOR SAFE STORAGE: Keep away from hot surfaces and other sources of ignition. Store in cool, secure, well ventilated area.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS	Chemical	Value type	Control Parameter	Basis
71-36-3	n-Butanol	TWA	20 ppm	ACGIH
		C	50 ppm, 150 mg/cubic meter	NIOSH REL
		TWA	100 ppm, 300 mg/cubic meter	OSHA Z-1
		C	50 ppm, 150 mg/cubic meter	OSHA P0
112-24-3	Triethylenetetramine	TWA	1 ppm	AIHA WEEL NIOSH REL
64742-95-6	Light Petroleum Naphtha	TWA	500 ppm, 2,000 mg/cubic meter	OSHA Z-1
		TWA	200 mg/cubic meter (as total hydrocarbon vapor)	ACGIH
		TWA	400 ppm, 1,600 mg/cubic meter	OSHA P0
25551-13-7	Trimethylbenzene	TWA	25 ppm	ACGIH
		TWA	25 ppm, 125 mg/cubic meter	OSHA P0
95-63-6	1,2,4-trimethylbenzene	TWA	25 ppm, 125 mg/cubic meter	NIOSH REL
108-67-8	1,3,5-trimethylbenzene	TWA	25 ppm; 125 mg/cubic meter	NIOSH REL
526-73-8	1,2,3-trimethylbenzene	TWA	25 ppm; 125 mg/cubic meter	NIOSH REL
98-82-8	Cumene	TWA	50 ppm	ACGIH
		TWA	50 ppm, 245 mg/cubic meter	NIOSH REL
		TWA	50 ppm, 245 mg/cubic meter	OSHA Z-1
		TWA	50 ppm, 245 mg/cubic meter	OSHA P0

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear liquid
Odor	Alcohol/Aromatic solvent odor
Odor threshold	No data
pH	No data
Freezing point	-63 F
Initial boiling point	300 F
Flash point	107 F (Light aromatic naphtha)
Evaporation rate	No Data
Flammability	No Data
Burning rate	No data
Lower explosive limit	1%
Upper explosive limit	7%
Vapor pressure	No Data
Relative vapor density	Heavier than air
Relative density	0.9 – 1.0
Water solubility	Partially soluble
Partition coefficient (n-octanol/water)	No data
Autoignition temperature	No data
Thermal decomposition temperature	No data
VOC	2.82 lbs/gal or 338 grams/liter

10. STABILITY AND REACTIVITY

REACTIVITY/INCOMPATIBLE MATERIALS: Sodium hypochlorite, acids, peroxides, reactive metals, oxidizers.

STABILITY: Stable under normal conditions.

CONDITIONS TO AVOID: Sources of ignition, excessive temperatures.

HAZARDOUS DECOMPOSITION PRODUCTS: Nitric acid, ammonia, nitrogen oxides, carbon oxides, aldehydes, nitrosamines.

11. TOXICOLOGICAL PROPERTIES

<p><u>N-Butanol (71-36-3)</u> Oral LD50: 790 mg/kg (rat) Inhalation LC50: >8,000 ppm (rat, male and female), 4 hours, OECD Test Guideline 403. Dermal LD50: 3,430 mg/kg (rabbit), OECD Test Guideline 402. Skin irritation: Irritating to skin, (rabbit), 4 hours, Draize Test. Eye irritation: Serious damage to eyes, (rabbit), 24 hours, OECD Test Guideline 405. Skin sensitization: No data.</p>	<p><u>Epoxy-Amine Curing Agent (proprietary)</u> Oral LD50: >2,000 mg/kg (rat), estimated Dermal LD50: >2,000 mg/kg (rabbit), estimated Inhalation LC50: No data. Sin: Moderate irritant/sensitizer. Eye: Moderate irritant.</p>
<p><u>Proprietary Reacted Amine Mixture</u> Oral LD50: >2,000 mg/kg (rat) - estimated Dermal LC50: >2,000 mg/kg (rabbit) - estimated Skin irritation: Severely irritating to skin. Eye irritation: Severely irritating to eyes. Skin sensitizer.</p>	<p><u>Triethylenetetramine (112-24-3)</u> Oral LD50: 2,500 mg/kg (rat) Skin irritation: Severely irritating to skin, (rabbit), 24 hours. Eye irritation: Severely irritating to eyes (rabbit).</p>
<p><u>Aromatic Naphtha (64742-95-6)</u> Oral LD50: >5,000 mg/kg (rat) for light aromatic naphtha Inhalation LC50: No Data Dermal LD50: >2,000 mg/kg (rabbit, male and female) estimated Skin: Moderate irritant, sensitizer Eye: Irritant ACGIH: Confirmed animal carcinogen with unknown relevance to humans</p>	<p><u>1,2,4-trimethylbenzene (95-63-6)</u> Oral LD50: 3,280 mg/kg (rat) Inhalation LC50: 18 mg/cubic meter (rat) Dermal LC50: >3,160 mg/kg</p>
	<p><u>Cumene (98-82-8)</u> Oral LD50: 1,400 mg/kg (rat) Dermal LC50: >3,160 mg/kg (rabbit) IARC Group 2B: Possibly carcinogenic to humans NTP: Reasonably anticipated to be human carcinogen</p>

12. ECOLOGICAL INFORMATION

<p><u>Triethylenetetramine (112-24-3)</u> Fish: LC50 : 570 mg/liter (Poecilia reticulata), 96 hours, semi-static. LD50: 496 mg/liter (Pimephales promelas), 96 hours. Daphnia and other invertebrates: LC50: 33,900 micrograms/liter, (Water Flea), 48 hrs.</p>	<p><u>N-Butanol (71-36-3)</u> Fish: LC50 1,376 mg/liter (Pimephales promelas) , 96 hours, OECD Test Guideline 203. Daphnia and other invertebrates: EC50: 1,328 mg/l, 48 hrs (Daphnia magna), OECD Test Guideline 202. Algae: EC50: 225 mg/liter, (Pseudokirchneriella</p>
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Algae: EC50: 3,700 micrograms/liter, 96 hours, (Green Algae). Bioaccumulation Potential: Concentration = low.	subcapitata), 96 hrs., OECD Test Guideline 201. Biodegradability: 98%, 19 days, OECD Test Guideline 301E. Bioconcentration Factor (BCF): 3.16
<u>Aromatic Naphtha (64742-95-6)</u> Fish: LL50: 10 mg/l (Oncorhynchus mykiss- Rainbow Trout), 96 hours. Semi-static test Daphnia and other inveterbrates: EL50: 4.5 mg/l, 48 hrs. (Daphnia magna), Static Test Algae: EL50: 3.1 mg/l, 72 hrs. (Pseudokirchneriella subcapita) Ecotoxicity Assessment: Toxic to aquatic life Chronic aqua/toxicity: Toxic to aquatic life with long lasting effects	<u>Aromatic Naphtha (64742-95-6)</u> Fish: LL50: 10 mg/l (Oncorhynchus mykiss- Rainbow Trout), 96 hours. Semi-static test Daphnia and other inveterbrates: EL50: 4.5 mg/l, 48 hrs. (Daphnia magna), Static Test Algae: EL50: 3.1 mg/l, 72 hrs. (Pseudokirchneriella subcapita) Ecotoxicity Assessment: Toxic to aquatic life Chronic aqua/toxicity: Toxic to aquatic life with long lasting effects
<u>Cumene (98-82-8)</u> Fish: LC50: 2.7 mg/liter (Oncorhynchus mykiss), 96 hours, semi-static Daphnia and other invertebrates: EC50: 7.9-14.1 mg/l, 48 hrs (Daphnia magna) Algae: EC50: 2.6 mg/l, 72 hrs. (Pseudokirchneriella subcapitata)	

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD:

Dispose in accordance with local, state and federal regulations. Incinerate in approved facility. Do not incinerate closed containers.

14. TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION or INTERNATIONAL AIR TRANSPORT ASSOCIATION or INTERNATIONAL MARITIME ORGANIZATION:

PROPER SHIPPING NAME: PAINT
UN OR ID NUMBER: U.N. 1263

HAZARD CLASS: 3
PACKING GROUP: III

15. REGULATORY INFORMATION

The following components are subject to the U.S. Emergency Planning and Community Right- To-Know Act (EPCRA), Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) or Section 112(b), Hazardous Air Pollutant, or 112(r) of the Clean Air Act:

Cumene: CERCLA RQ = 5,000 lbs. Listed for reporting under EPCRA Section 313. Listed under Section 112(b) of the Clean Air Act.

n-Butanol: CERCLA RQ = 5,000 lbs. Listed for reporting under EPCRA Section 313.

1,2,4-trimethylbenzene: Listed for reporting under EPCRA Section 313

California Proposition 65: WARNING: This product contains a chemical known to the State of California to cause cancer: cumene (98-82-8).

SARA 311/312 Hazards: Fire Hazard, Sudden Release of Pressure, Reactive, Acute Health Hazard, Chronic Health Hazard

Toxic Substances Control Act: All components of this product are either listed on the TSCA inventory or are exempt. This product contains no chemicals subject to the reporting requirements of TSCA 12(B) if exported from the United States.

16. OTHER INFORMATION

Abbreviations:

ACGIH: American Conference of Governmental Industrial Hygienists

AIHA: American Industrial Hygiene Association

CAL/OSHA: California Division of Occupational Safety and Health

CERCLA: Comprehensive Environmental Response, Compensation and Liability Act

COD: Chemical Oxygen Demand

EbC50: the concentration at which 50% reduction in biomass is observed

EC50: Effective Concentration, Half Maximal

ErC50: EC50 the concentration at which a 50% inhibition in growth rate is observed

LC50: Lethal Concentration 50%

LD50: Lethal Dose 50% (median value)

LD_{LO}: Lethal Dose (lowest value)

LL50: Lethal Level 50%

NOEC: No Observed Effect Concentration

OEL: Occupational Exposure Limit

OSHA: Occupational Safety and Health Administration

PEL: Permissible Exposure Limit

ThOD: Theoretical Oxygen Demand

TWA: Time Weighted Average

WEEL: Workplace Environmental Exposure Level

Date of SDS Preparation: March, 2017

GHS SAFETY DATA SHEET

1. IDENTIFICATION

**MANUFACTURER'S
NAME:**

Simco Coatings
211 Gunther Lane
Belle Chasse, LA. 70037

Simco Coatings Phone:
Product Information:
Fax Number:

**FOR 24 HOUR EMERGENCY ASSISTANCE
CALL CHEMTREC**

CHEMTREC DOMESTIC NORTH AMERICA: (800)-424-9300
CHEMTREC INTERNATIONAL: (703)-527-3887

(504)-393-9455
(866)-957-4626
(504)-433-1406

PRODUCT NUMBER:
PRODUCT NAME:
PRODUCT USE:
Date of SDS Preparation:

T-81772 Type-II
MIL-T-81772 Type II THINNER for EPOXY PAINT
Thinner for Epoxy Protective Coating
March, 2017

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATION:

Flammable liquids	Category 2
Acute toxicity (inhalation)	Category 4
Eye irritation	Category 2A
Reproductive toxicity	Category 1B
Specific target organ toxicity (single exposure)	Category 3 (central nervous system, respiratory tract)

GHS LABEL ELEMENT:

Pictogram names:



Signal Word: **DANGER**

HAZARD STATEMENTS

H225	Highly flammable liquid and vapor.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H360	May damage fertility or the unborn child.

PRECAUTIONARY STATEMENTS

PREVENTION

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P241	Use explosion proof application equipment.
P242	Use non-sparking tools.
P243	Take action to prevent static discharges.
P261	Avoid breathing mist, spray or vapors.
P264	Wash hands thoroughly after handling
P271	Use only outdoors or in well-ventilated area.
P280	Wear protective gloves, protective clothes and eye protection

RESPONSE

P303 + 361 + 353	IF ON SKIN (or hair): take off immediately all contaminated clothing and wash before reuse. Rinse skin with plenty of water.
P301 + 310 + 331	IF SWALLOWED: Immediately call a doctor if you feel unwell. Do NOT induce vomiting.
P304 + 340	IF INHALED: remove person to fresh air and keep comfortable for breathing.
P312	Call a doctor if you do not feel well.
P305 + 351 + 338	IF IN EYE: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P337 + 313	If eye irritation persists: Get medical advice.
P308 + 313	If exposed or concerned: Get medical advice.
P370 + 378	In case of fire: Use alcohol resistant foam, carbon dioxide, dry chemical or water fog to extinguish.

STORAGE

P403 + 233 + 235	Store in a well-ventilated place. Keep container cool and tightly closed.
P405	Store locked up.

DISPOSAL

P501	Dispose of contents/container to an approved disposal facility and in accordance with federal, state and local regulations.
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3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS	% Range
Methyl ethyl ketone	78-93-3	50-60
Methyl isobutyl ketone	108-10-1	15-20
Propylene glycol monomethyl ether	107-98-2	25-35

4. FIRST AID MEASURES

EMERGENCY AND FIRST AID PROCEDURES:

Acute Effects of Exposure: Harmful if inhaled. Causes serious eye irritation and respiratory irritation.

Chronic Effects of Exposure: May damage fertility or the unborn child.

IF ON SKIN (or hair): take off immediately all contaminated clothing and wash before reuse.

Rinse skin with plenty of water.

IF SWALLOWED: immediately call a DOCTOR if you do not feel well. DO NOT INDUCE VOMITING.

IF INHALED: remove person to fresh air and keep comfortable for breathing.

IF IN EYES: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical attention.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: use alcohol resistant foam, carbon dioxide or dry chemical to extinguish.

UNACCEPTABLE EXTINGUISHING MEDIA: Do not use water jet.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Keep containers tightly closed. Isolate from heat, electrical equipment, sparks & open flame. Closed containers may explode when exposed to extreme heat. Do not apply to hot surfaces. Paint vapors can cause a violent explosion. Supply sufficient ventilation to keep vapors below LEL level. Use explosion proof equipment.

Special Fire-fighting Procedures:

Water may be used to cool closed containers to prevent pressure build-up and possible auto ignition or explosion when exposed to extreme heat. If water is used, fog nozzles are required.

6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Remove all sources of ignition (flame, hot surfaces, and electrical static or frictional sparks). Avoid breathing vapors; ventilate area, remove with inert absorbent and non-sparking tools.

7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:

Avoid contact during pregnancy and while nursing. Product may damage fertility of the unborn child. Do not breathe dust/fume/gas/mist/vapor/spray. Do not eat, smoke or drink when using this product. Wash hands thoroughly after handling. Wear protective gloves, protective clothing and eye protection and face protection when handling. Wash hands after handling. Do not eat, drink or smoke in work area.

CONDITIONS FOR SAFE STORAGE:

Keep away from hot surfaces and other sources of ignition. Store in cool, secure, well ventilated area.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS	Chemical	Value type	Control Parameter	Basis
78-93-3	Methyl ethyl ketone	TWA	200 ppm	ACGIH
		STEL	300 ppm	ACGIH
		TWA	200 ppm, 590 mg/cu. meter	NIOSH REL
		ST	300 ppm, 885 mg/cubic meter	NIOSH REL
		TWA	200 ppm, 590 mg/cubic meter	OSHA Z-1
		TWA	200 ppm, 590 mg/cubic meter	OSHA P0
108-10-1	Methyl isobutyl ketone	STEL	300 ppm, 885 mg/cubic meter	OSHA P0
		TWA	20 ppm	ACGIH
		STEL	75 ppm	ACGIH
		TWA	50 ppm, 205 mg/cubic meter	NIOSH REL
		ST	75 ppm, 300 mg/cubic meter	NIOSH REL
		TWA	100 ppm, 410 mg/cubic meter	OSHA Z-1
107-98-2	Propylene glycol monomethyl ether	TWA	50 ppm, 205 mg/cubic meter	OSHA P0
		STEL	75 ppm, 300 mg/cubic meter	OSHA P0
		TWA	50 ppm	ACGIH
		STEL	100 ppm	ACGIH
		ST	150 ppm, 540 mg/cubic meter	NIOSH REL
		TWA	100 ppm, 360 mg/cubic meter	NIOSH REL
		TWA	100 ppm, 360 mg/cubic meter	OSHA P0
		STEL	150 ppm, 540 mg/cubic meter	OSHA P0

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear liquid
Odor	Pungent solvent odor
Odor threshold	No data
pH	No data
Freezing point	-143 (PM Solvent) to -121 F (Methyl ethyl ketone)
Initial boiling point	174 F (Methyl ethyl ketone)
Flash point	32 F
Evaporation rate	No Data
Flammability	No Data
Burning rate	No data
Lower explosive limit	1.0% (volume) for Methyl ethyl ketone
Upper explosive limit	13.7 % for PM solvent
Vapor pressure	71 – 94.5 mm Hg @ 68 F for methyl ethyl ketone
Relative vapor density	No data
Relative density	0.8
Water solubility	No data
Partition coefficient (n-octanol/water)	No data
Autoignition temperature	532 F (PM solvent)
Thermal decomposition temperature	No data
VOC	6.99 lbs/gal or 838 grams/liter

10. STABILITY AND REACTIVITY

STABILITY: Stable under normal conditions.

CONDITIONS TO AVOID: Sources of ignition, excessive temperatures.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon oxides, unburned hydrocarbons.

INCOMPATIBLE MATERIALS: Strong oxidizers and reducers, aluminum, strong bases, salts of strong bases, aldehydes, halogens, peroxides.

11. TOXICOLOGICAL PROPERTIES

Methyl ethyl ketone (78-93-3)

Oral LD50: 2,737 mg/kg (rat)
Dermal LD50: 6,480 mg/kg (rat)
Inhalation LC50: 320 mg/liter (mouse, 4 hours)
Skin irritation: No skin irritation, (rabbit), 24 hours
Eye irritation: Irritating to eyes, (rabbit), 24 hours
Skin sensitization: Not a sensitizer (guinea pig), OECD Test Guideline 406
Mutagenicity: Negative, Ames Test, OECD Test Guideline 471; Negative, Mammalian cell gene mutation assay, OECD Test Guideline 476; negative, Chromosome aberration tests, OECs Test Guideline 473; In vivo micronucleus tests (mouse), OECD Test Guideline 474, 1.96 mg/kg dose.
Carcinogenicity: Not classifiable as human carcinogen.
Specific Target Organ Toxicity (single exposure): Central nervous system: may cause drowsiness or dizziness.

Solvent PM (107-98-2)

Oral LD50: 4,016 mg/kg (rat)
Inhalation LC50: 7,000 ppm (rat), 6 hours, OECD Test Guideline 403
Dermal LC50: >2,000 mg/kg (rat)
Skin irritation: No skin irritation, (rabbit), 4 hours, OECD Test Guideline 404
Eye irritation: Not irritating to eyes.
Skin sensitization: Not a sensitizer (guinea pig), OECD Test Guideline 406
Mutagenicity: Negative, Ames Test, OECD Test Guideline 471; In vivo micronucleus tests (mouse)
Carcinogenicity: (rat), Dose 0, 300, 1,000, 3,000 ppm, 2 years, 6 hours/day, 5 days/week
Not classifiable as human carcinogen.
Reproductive toxicity: No reproductive effects, No teratogenic effects.
Specific Target Organ Toxicity- Inhalation (single exposure): May cause respiratory irritation with narcotic effects.
Specific Target Organ Toxicity – Inhalation (repeated exposure): (rat), OECD Test Guideline 453, dose 0, 300, 1,000, 3000 ppm, 2 years, 6 hours/day, 5 days/week. kidney disorders, liver disorders.

Methyl Isobutyl Ketone (108-10-1)

Oral LD50: 2,080 mg/kg (rat)
Inhalation LC50: 10 mg/liter, 4 hours
Dermal LD50: >2,000 mg/kg (rat, male and female)
Skin irritation: No skin irritation, (rabbit), 4 hours, OECD Test Guideline 404
Eye irritation: Irritating to eyes, (rabbit), 24 hours, OECD Test Guideline 405
Skin sensitization: Not a sensitizer (guinea pig), OECD Test Guideline 406
Mutagenicity: Negative, Ames Test, OECD Test Guideline 471; In vivo micronucleus tests (mouse), OECD Test Guideline 474, 12-48 hours
Carcinogenicity: (rat), Dose 0, 450, 900, 1800 ppm, 2 years, 6 hours/day, 5 days/week
Not classifiable as human carcinogen.
Reproductive toxicity: OECD Test Guideline 416 (rat, male and female) – No effects: OECD test Guideline 414 (rat) – No teratogenic effects.
Specific Target Organ Toxicity (single exposure): May cause respiratory irritation
Specific Target Organ Toxicity (repeated exposure): (rat), OECD Test Guideline, kidney disorders not relevant to humans.

12. ECOLOGICAL INFORMATION

Methyl ethyl ketone (78-93-3) Fish: LC50 100 mg/liter (Pimephales promelas) , 96 hours Daphnia and other invertebrates: EC50 >100 mg/liter (Daphnia Magna), 48 hours. Algae and aquatic plants: LC50: >100 mg/liter (Pseudokirchneriella subcapita), 72 hours	Methyl Isobutyl Ketone (108-10-1) Fish: LC50 >179 mg/liter (Danio rerio), OECD203, 96 hours Daphnia and other invertebrates: EC50 >200 mg/liter, (Daphnia magna), OECD209, 48 hours Algae and aquatic plants: EC50: 400 mg/liter (Pseudokirchneriella subcapita), 96 hours
Solvent PM (107-98-2) Fish: LC50: 20,800 mg/l (Pimephales Promelas), 96 hours, static Daphnia and other invertebrates: LC50: 23,300 mg/l, 24 hrs (Daphnia Magna), static test. Algae: EC50: >1,000 mg/l, 7 days, (Pseudokirchneriella subcapita), Static Test. Biodegradability: Concentration = 86 mg/liter, Exposure Time = 28 days; Testing Period = 10 days; Readily biodegradable.	

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD:

Dispose in accordance with local, state and federal regulations. Incinerate in approved facility. Do not incinerate closed containers.

14. TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION or INTERNATIONAL AIR TRANSPORT ASSOCIATION or INTERNATIONAL MARITIME ORGANIZATION:

PROPER SHIPPING NAME: PAINT RELATED MATERIAL
UN OR ID NUMBER: U.N. 1263

HAZARD CLASS: 3
PACKING GROUP: II

15. REGULATORY INFORMATION

The following components are subject to the Emergency Planning and Community Right-To-Know Act (EPCRA), Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) or Section 112(b), Hazardous Air Pollutant, or 112(r) of the Clean Air Act:

Methyl Ethyl Ketone : CERCLA RQ = 5,000 lbs.

Methyl Isobutyl Ketone : CERCLA RQ = 5,000 lbs. Listed for reporting under EPCRA Section 313. . Listed under Section 112(b) of the Clean Air Act.

California Proposition 65: WARNING: This product contains a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

Cancer: methyl isobutyl ketone (108-10-1). **Birth defects or other reproductive harm:** : methyl isobutyl ketone (108-10-1).

SARA 311/312 Hazards: Fire Hazard, Acute Health Hazard, Chronic Health Hazard

Toxic Substances Control Act: All components of this product are either listed on the TSCA inventory or are exempt. This product contains no chemicals subject to the reporting requirements of TSCA 12(B) if exported from the United States.

16. OTHER INFORMATION

Abbreviations:

ACGIH: American Conference of Governmental Industrial Hygienists
AIHA: American Industrial Hygiene Association
CAL/OSHA: California Division of Occupational Safety and Health
CERCLA: Comprehensive Environmental Response, Compensation and Liability Act
COD: Chemical Oxygen Demand
EbC50: the concentration at which 50% reduction in biomass is observed
EC50: Effective Concentration, Half Maximal
ErC50: EC50 the concentration at which a 50% inhibition in growth rate is observed
LC50: Lethal Concentration 50%
LD50: Lethal Dose 50% (median value)
LD_{Lo}: Lethal Dose (lowest value)
LL50: Lethal Level 50%
NOEC: No Observed Effect Concentration
OEL: Occupational Exposure Limit
OSHA: Occupational Safety and Health Administration
PEL: Permissible Exposure Limit
ThOD: Theoretical Oxygen Demand
TWA: Time Weighted Average
WEEL: Workplace Environmental Exposure Level

Date of SDS Preparation: March, 2017

SAFETY DATA SHEET

1. IDENTIFICATION

**MANUFACTURER'S
NAME:**

Simco Coatings
211 Gunther Lane
Belle Chasse, LA. 70037

Simco Coatings Phone:
Product Information:
Fax Number:

**FOR 24 HOUR EMERGENCY ASSISTANCE
CALL CHEMTREC**

CHEMTREC DOMESTIC NORTH AMERICA: (800)-424-9300
CHEMTREC INTERNATIONAL: (703)-527-3887

(504)-393-9455
(866)-957-4626
(504)-433-1406

PRODUCT NUMBER:
PRODUCT NAME:
PRODUCT USE:
Date of SDS Preparation:

MIL-PRF-23377 Yellow Comp A
MIL-PRF-23377 Rev K, Type I, Class N, Yellow
Epoxy Polyamide Primer
October, 2017

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATION:

Flammable liquids	Category 2
Skin irritation	Category 2
Eye irritation	Category 2A
Skin Sensitization	Category 1
Specific target organ toxicity (single exposure)	Category 3 (central nervous system)
Specific target organ toxicity (repeated exposure)	Category 1 (lungs)
Carcinogen	Category 1A
Aquatic Toxicity (acute)	Category 2
Aquatic Toxicity (chronic)	Category 3

GHS LABEL ELEMENT:

Pictograms:



Signal Word: **DANGER**

HAZARD STATEMENTS

H226	Flammable liquid and vapor.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H350	May cause lung cancer if inhaled as respirable silica (in sanding operations).
H372	Causes damage to the lungs through prolonged or repeated exposure of respirable silica (in

	sanding operations).
H401	Toxic to aquatic life.
H412	Harmful to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS

PREVENTION

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P241	Use explosion proof equipment and lighting.
P242	Use non-sparking tools.
P243	Take action to prevent static discharge.
P260	Do not breathe mist, spray or vapors.
P264	Wash hands thoroughly after handling
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in well ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves, protective clothes and eye protection

RESPONSE

P303 + 361 + 353	IF ON SKIN (or hair), take off immediately all contaminated clothing and wash before reuse. Rinse skin with plenty of water.
P333 + 313	If skin irritation or rash occurs: Get medical attention.
P362 + 364	Take off contaminated clothing and wash it before reuse.
P301 + 312 + 330	IF SWALLOWED: Call a doctor for advice if you do not feel well. Rinse mouth.
P304 + 340	IF INHALED, remove person to fresh air and keep comfortable for breathing.
P312	Call a physician if you feel unwell.
P305 + 351 + 338	IF IN EYES, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P337 + 313	If eye irritation persists, get medical attention
P308 + 313	If exposed or concerned, get medical attention.
P370 + 378	In case of fire, use alcohol resistant foam, carbon dioxide, dry chemical or water fog to extinguish. Do not use water jet.

STORAGE

P403 + 233 + 235	Store in a well ventilated place and keep cool and tightly closed.
P405	Store locked up.

DISPOSAL

P501	Dispose of contents/container to an approved disposal facility and in accordance with federal, state and local regulations.
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3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS	% Range
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Epoxy resin	proprietary	30-40
Zinc phosphate	7779-90-0	10-20
Magnesium silicate	14807-96-6	10-20
Magnesium calcium carbonate	16389-88-1	1-5
Crystalline silica	14808-60-7	0.1-0.5
Titanium dioxide	13463-67-7	10-20
Yellow Iron Oxide	51274-00-1	1-5
Zinc oxide	1314-13-2	1-5
Methyl amyl ketone	110-43-0	20-30

4. FIRST AID MEASURES

EMERGENCY AND FIRST AID PROCEDURES:

Acute Effects of Exposure: Causes skin irritation and allergic skin reaction and rash. Causes serious eye irritation and redness. May cause respiratory irritation.

Chronic Effects of Exposure: Inhalation of respirable silica, as in sanding operations, may cause lung cancer.

IF ON SKIN (or hair), take off immediately all contaminated clothing and wash before reuse.

Rinse skin with plenty of water.

If skin irritation or rash occurs: Get medical attention.

Take off contaminated clothing and wash it before reuse.

IF SWALLOWED, immediately call a POISON CENTER/DOCTOR for assistance.

IF INHALED, remove person to fresh air and keep comfortable for breathing. Call a physician if not feeling well.

IF IN EYES, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical attention.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: alcohol resistant foam, carbon dioxide, dry chemical or water fog to extinguish.

UNACCEPTABLE EXTINGUISHING MEDIA: Do not use water jet.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Keep containers tightly closed. Isolate from heat, electrical equipment, spark & open flame, closed containers may explode when exposed to extreme heat. Do not apply to hot surfaces. Paint vapors can cause a violent explosion. Supply sufficient ventilation to keep vapors below LEL level. Use explosion proof equipment.

Special Fire-fighting Procedures:

Water may be used to cool closed containers to prevent pressure build up and possible auto ignition or explosion when exposed to extreme heat. If water is used, fog nozzles are required.

6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Remove all sources of ignition (flame, hot surfaces, and electrical static or frictional sparks). Avoid breathing vapors; ventilate area, remove with inert absorbent and non-sparking tools.

7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:

Do not breathe vapors or spray. Do not eat, smoke or drink when using this product. Wash hands thoroughly after handling. Wear protective gloves, protective clothing and eye protection and face protection when handling. Wash hands after handling. Do not eat, drink or smoke in work area.

CONDITIONS FOR SAFE STORAGE:

Keep away from hot surfaces and other sources of ignition. Store in cool, secure, well ventilated area.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS	Chemical	Value type	Control Parameter	Basis
7779-90-0	Zinc phosphate	TWA	10 mg/cubic meter (total dust)	ACGIH
14808-60-7	Crystalline Silica	TWA	0.025 mg/cubic meter	NIOSH REL
13463-67-7	Titanium dioxide	PEL	15 mg/cubic meter (total dust)	OSHA Z-1
1314-13-2	Zinc oxide	TWA	5 mg/cubic meter (dust)	NIOSH REL
		CEILING	15 mg/cubic meter (dust)	NIOSH REL
		TWA	15 mg/cubic meter (dust); 5 mg/cubic meter (respirable fraction)	OSHA PEL
		TWA	2 mg/cubic meter (respirable fraction)	ACGIH TLV
		STEL	10 mg/cubic meter (respirable fraction)	ACGIH TLV
110-43-0	Methyl Amyl Ketone	TWA	50 ppm	ACGIH
		TWA	100 ppm, 465 mg/cubic meter	NIOSH REL
		TWA	100 ppm, 465 mg/cubic meter	OSHA Z-1
		TWA	100 ppm, 465 mg/cubic meter	OSHA P0

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Yellow liquid
Odor	Pungent solvent odor
Odor threshold	No data
pH	No data
Freezing point	No data
Initial boiling point	306 F
Flash point	102 F

Evaporation rate	0.34 (n-butyl acetate = 1)
Flammability	No Data
Burning rate	No data
Lower explosive limit	No data
Upper explosive limit	No data
Vapor pressure	2.8 mbar @ 68 F
Relative vapor density	No data
Relative density	1.3-1.5
Water solubility	No data
Partition coefficient (n-octanol/water)	No data
Autoignition temperature	739 F
Thermal decomposition temperature	No data
VOC	2.77 lbs/gal or 332 grams/liter

10. STABILITY AND REACTIVITY

STABILITY: Stable under normal conditions.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon oxides.

CONDITIONS TO AVOID: Sources of ignition, excessive temperatures.

INCOMPATIBLE MATERIALS: Oxidizing agents, reducing agents, acids, bases.

11. TOXICOLOGICAL PROPERTIES

<u>Epoxy Resin (proprietary CAS)</u> Oral LD50: 11,400 mg/kg (rat) Dermal LD50: 2,000 mg/kg (rat) Skin irritation: Score 1.5-2 (rabbit), Erythema/Eschar 404; Score 1.0-1.5 (rabbit), Edema 404 Eye irritation: Score 0 (rabbit); Score 0.7 (rabbit), redness of conjunctivae.	<u>Zinc Phosphate (7779-90-0)</u> Oral LD50: > 5,000 mg/kg (rat) Inhalation LC50: >5.7 mg/liter Intraperitoneal LD50: 522 mg/kg
<u>Methyl Amyl ketone (110-43-0)</u> Oral LD50: 1,670 mg/kg (rat) Dermal LD50: >2,000 mg/kg (rat) Inhalation LC50: >16.7 mg/liter, 4 hours (rat) Not dermal irritant: 4 hours (rabbit) Not eye irritant: (rabbit) Not dermal or respiratory irritant: lymph node assay (mouse) Not mutagen: Mammalian cell gene mutation assay (mouse); DNA damage and repair (rat, female)	<u>Crystalline Silica 14808-60-7)</u> Oral LD50: >22,500 mg/kg (rat) Carcinogenicity: IARC Group 1 carcinogen; ACGIH Group A2 (suspected human carcinogen).
	<u>Zinc Oxide (1314-13-2)</u> Oral LD50: >15,000 mg/kg (rat) Oral LD50: 7,950 mg/kg (mouse) Inhalation LC50: >5.7 mg/liter (rat), 4 hours

12. ECOLOGICAL INFORMATION

Since this product is a mixture, Category 2 for acute aquatic toxicity has been estimated using formula 4.1.3.5.2(a) per the GHS regulations. Category 3 for chronic aquatic toxicity is estimated. This product has not been tested for

ecotoxicity and ecotoxicity data is not available for all ingredients. Individual components that have available data are shown below:

<u>Epoxy Resin (proprietary CAS)</u> Fish: LC50 1.3 mg/liter (Brachydanio rerio) , 96 hours, OECD 203 Daphnia and other invertebrates: EC50: 2.1 mg/l, 24 hrs (Daphnia magna), OECD 202 Algae: EC50: >11 mg/liter, 72 hrs. Log POW: 2.64-3.78	<u>Zinc phosphate (7779-90-0)</u> Fish: LL50: 0.14-2.6 mg/l as zinc (Oncorhynchus mykiss- Rainbow Trout), 96 hours. Semi-static test Daphnia and other inveterbrates: EC50: 0.413 mg/l as zinc, 48 hrs (Ceriodaphnia dubia), Static Test Algae: EC50: 0.136-0.150 mg/l as zinc, 72 hrs. (Selenastrum capricornutum)
<u>Yellow iron oxide (51274-00-0)</u> Fish: LC50: >100,000 mg/l (Danio rerio), 96 hours. Semi-static test Daphnia and other inveterbrates: EC50: >100 mg/l, 48 hrs (Daphnia magna), Static Test.	<u>Zinc oxide (1314-13-2)</u> Fish: LL50: 1.1 mg/l (Oncorhynchus mykiss- Rainbow Trout), 96 hours. Semi-static test Daphnia and other inveterbrates: EC50: 2.0 mg/l, 48 hrs (Daphnia magna), Static Test Algae: IC50: 0.63 mg/l, 72 hrs. (Pseudokirchneriella subcapita) Ecotoxicity Assessment: Toxic to aquatic life Chronic aqua/toxicity: Toxic to aquatic life with long lasting effects
<u>Methyl Amyl Ketone (110-43-0)</u> Fish: LC50 131 mg/liter (Pimephales promelas) , 96 hours Daphnia and other invertebrates: EC50: >100 mg/l, 48 hrs (Daphnia magna), Static Test Algae: EC50: 98.2 mg/l, 72 hrs. (Selenastrum capricornutum)	

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD:

Dispose in accordance with local, state and federal regulations. Do not incinerate closed containers.

14. TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION or INTERNATIONAL AIR TRANSPORT ASSOCIATION or INTERNATIONAL MARITIME ORGANIZATION:

PROPER SHIPPING NAME: PAINT RELATED MATERIAL

HAZARD CLASS: 3

UN OR ID NUMBER: U.N. 1263

PACKING GROUP: III

Components listed as Marine Pollutants: none.

Components otherwise identified as toxic to aquatic environments: zinc oxide.

15. REGULATORY INFORMATION

The following components are subject to the Emergency Planning and Community Right- To-Know Act (EPCRA), Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) or Section 112(r) of the Clean Air Act:

Zinc phosphate: listed for CERCLA reporting as zinc compound without assigned RQ value. Listed for reporting under EPCRA Section 313.

Zinc oxide: listed for CERCLA reporting as zinc compound without assigned RQ value. Listed for reporting under EPCRA Section 313.

California Proposition 65: WARNING: This product contains a chemical known to the State of California to cause cancer: crystalline silica (14808-60-7).

SARA 311/312 Hazards: Fire Hazard, Acute Health Hazard, Chronic Health Hazard

Toxic Substances Control Act: All components of this product are either listed on the TSCA inventory or are exempt. This product contains no chemicals subject to the reporting requirements of TSCA 12(B) if exported from the United States.

16. OTHER INFORMATION

Abbreviations and Notations:

ACGIH: American Conference of Governmental Industrial Hygienists

AIHA: American Industrial Hygiene Association

CAL/OSHA: California Division of Occupational Safety and Health

CERCLA: Comprehensive Environmental Response, Compensation and Liability Act

COD: Chemical Oxygen Demand

EbC50: the concentration at which 50% reduction in biomass is observed

EC50: Effective Concentration, Half Maximal

ErC50: EC50 the concentration at which a 50% inhibition in growth rate is observed

LC50: Lethal Concentration 50%

LD50: Lethal Dose 50% (median value)

LD₁₀: Lethal Dose (lowest value)

LD₁₀: Lethal Dose (lowest value)

LL50: Lethal Level 50%

NOEC: No Observed Effect Concentration

OEL: Occupational Exposure Limit

OSHA: Occupational Safety and Health Administration

PEL: Permissible Exposure Limit

ThOD: Theoretical Oxygen Demand

TWA: Time Weighted Average

WEEL: Workplace Environmental Exposure Level

Date of SDS Preparation: October, 2017

GHS SAFETY DATA SHEET

1. IDENTIFICATION

**MANUFACTURER'S
NAME:**

Simco Coatings
211 Gunther Lane
Belle Chasse, LA. 70037

Simco Coatings Phone:
Product Information:
Fax Number:

**FOR 24 HOUR EMERGENCY ASSISTANCE
CALL CHEMTREC**

CHEMTREC DOMESTIC NORTH AMERICA: (800)-424-9300
CHEMTREC INTERNATIONAL: (703)-527-3887

(504)-393-9455
(866)-957-4626
(504)-433-1406

PRODUCT NUMBER:
PRODUCT NAME:
PRODUCT USE:
Date of SDS Preparation:

MIL-PRF-23377 Rev. K, Type I, Class N
Hardener for Epoxy Polyamide Primer (Component B)
Epoxy Polyamide Protective Coating
March, 2017

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATION:

Flammable liquids	Category 3
Skin irritation	Category 2
Eye irritation	Category 1
Skin sensitization	Category 1
Specific Target Organ Toxicity (single exposure)	Category 3
Aspiration hazard	Category 1

GHS LABEL ELEMENT:

Pictograms:



Signal Word: **DANGER**

HAZARD STATEMENTS

H226	Flammable liquid and vapor.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.

PRECAUTIONARY STATEMENTS

PREVENTION

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P241	Use explosion proof application equipment.
P242	Use non-sparking tools.
P243	Take action to prevent static discharges.
P261	Avoid breathing mist, spray or vapors.
P264	Wash hands thoroughly after handling
P271	Use only outdoors or in well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves, protective clothes and eye protection

RESPONSE

P303 + 361 + 353	IF ON SKIN (or hair): take off immediately all contaminated clothing and wash before reuse. Rinse skin with plenty of water.
P333 + 313	If skin irritation or rash occurs: Get medical advice.
P362 + 364	Take off contaminated clothing and wash it before reuse.
P301 + 310 + 331	IF SWALLOWED : Immediately call a doctor if you feel unwell. Do NOT induce vomiting.
P304 + 340	IF INHALED : remove person to fresh air and keep comfortable for breathing.
P312	Call a doctor if you do not feel well.
P305 + 351 + 338	IF IN EYE : rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
H310	Immediately call a doctor for advice.
P370 + 378	In case of fire: Use alcohol resistant foam, carbon dioxide, dry chemical or water fog to extinguish.

STORAGE

P403 + 233 + 235	Store in a well-ventilated place. Keep container cool and tightly closed.
P405	Store locked up.

DISPOSAL

P501	Dispose of contents/container to an approved disposal facility and in accordance with federal, state and local regulations.
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3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS	% Range
Propriety Epoxy-Amine Curing Agent	Proprietary	55-65
Triethylenetetramine	112-24-3	1-3
Proprietary Reacted Amine	Proprietary	1-5
Proprietary Amine Products	Proprietary	1-3
n-Butanol	71-36-3	15-30
Light aromatic naphtha	64742-95-6	10-20

Trimethylbenzene	25551-13-7	10-20
1,2,4-trimethylbenzene	95-63-6	5-10
1,3,5-trimethylbenzene	108-67-8	1-5
1,2,5-trimethylbenzene	526-73-8	1-5
Cumene	98-82-8	0-3

4. FIRST AID MEASURES

EMERGENCY AND FIRST AID PROCEDURES:

Acute Effects of Exposure: Causes serious eye damage, skin irritation, allergic skin reaction and respiratory irritation. May be fatal if swallowed and enters airways.

Chronic Effects of Exposure: May causes damage to the central nervous system.

IF ON SKIN (or hair): take off immediately all contaminated clothing and wash before reuse.

Rinse skin with plenty of water. If skin irritation or rash occurs, get medical advice.

IF SWALLOWED: immediately call a POISON CENTER/DOCTOR for assistance. DO NOT INDUCE VOMITING.

IF INHALED: remove person to fresh air and keep comfortable for breathing.

IF IN EYES: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: alcohol resistant foam, carbon dioxide, dry chemical or water fog to extinguish.

UNACCEPTABLE EXTINGUISHING MEDIA: Do not use water jet.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Keep containers tightly closed. Isolate from heat, electrical equipment, spark & open flame, closed containers may explode when exposed to extreme heat. Do not apply to hot surfaces. Paint vapors can cause a violent explosion. Supply sufficient ventilation to keep vapors below LEL level. Use explosion proof equipment.

Special Fire-fighting Procedures:

Water may be used to cool closed containers to prevent pressure build up and possible auto ignition or explosion when exposed to extreme heat. If water is used, fog nozzles are required.

6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Remove all sources of ignition (flame, hot surfaces, and electrical static or frictional sparks). Avoid breathing vapors; ventilate area, remove with inert absorbent and non-sparking tools.

7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:

Do not breathe vapors or spray. Do not eat, smoke or drink when using this product. Wash hands thoroughly after handling. Wear protective gloves, protective clothing and eye protection and face protection when handling. Wash hands after handling. Do not eat, drink or smoke in work area.

CONDITIONS FOR SAFE STORAGE: Keep away from hot surfaces and other sources of ignition. Store in cool, secure, well ventilated area.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS	Chemical	Value type	Control Parameter	Basis
71-36-3	n-Butanol	TWA	20 ppm	ACGIH
		C	50 ppm, 150 mg/cubic meter	NIOSH REL
		TWA	100 ppm, 300 mg/cubic meter	OSHA Z-1
		C	50 ppm, 150 mg/cubic meter	OSHA P0
112-24-3	Triethylenetetramine	TWA	1 ppm	AIHA WEEL NIOSH REL
64742-95-6	Light Petroleum Naphtha	TWA	500 ppm, 2,000 mg/cubic meter	OSHA Z-1
		TWA	200 mg/cubic meter (as total hydrocarbon vapor)	ACGIH
		TWA	400 ppm, 1,600 mg/cubic meter	OSHA P0
25551-13-7	Trimethylbenzene	TWA	25 ppm	ACGIH
		TWA	25 ppm, 125 mg/cubic meter	OSHA P0
95-63-6	1,2,4-trimethylbenzene	TWA	25 ppm, 125 mg/cubic meter	NIOSH REL
108-67-8	1,3,5-trimethylbenzene	TWA	25 ppm; 125 mg/cubic meter	NIOSH REL
526-73-8	1,2,3-trimethylbenzene	TWA	25 ppm; 125 mg/cubic meter	NIOSH REL
98-82-8	Cumene	TWA	50 ppm	ACGIH
		TWA	50 ppm, 245 mg/cubic meter	NIOSH REL
		TWA	50 ppm, 245 mg/cubic meter	OSHA Z-1
		TWA	50 ppm, 245 mg/cubic meter	OSHA P0

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear liquid
Odor	Alcohol/Aromatic solvent odor
Odor threshold	No data
pH	No data
Freezing point	-63 F
Initial boiling point	300 F
Flash point	107 F (Light aromatic naphtha)
Evaporation rate	No Data
Flammability	No Data
Burning rate	No data
Lower explosive limit	1%
Upper explosive limit	7%
Vapor pressure	No Data
Relative vapor density	Heavier than air
Relative density	0.9 – 1.0
Water solubility	Partially soluble
Partition coefficient (n-octanol/water)	No data
Autoignition temperature	No data
Thermal decomposition temperature	No data
VOC	2.82 lbs/gal or 338 grams/liter

10. STABILITY AND REACTIVITY

REACTIVITY/INCOMPATIBLE MATERIALS: Sodium hypochlorite, acids, peroxides, reactive metals, oxidizers.

STABILITY: Stable under normal conditions.

CONDITIONS TO AVOID: Sources of ignition, excessive temperatures.

HAZARDOUS DECOMPOSITION PRODUCTS: Nitric acid, ammonia, nitrogen oxides, carbon oxides, aldehydes, nitrosamines.

11. TOXICOLOGICAL PROPERTIES

<p><u>N-Butanol (71-36-3)</u> Oral LD50: 790 mg/kg (rat) Inhalation LC50: >8,000 ppm (rat, male and female), 4 hours, OECD Test Guideline 403. Dermal LD50: 3,430 mg/kg (rabbit), OECD Test Guideline 402. Skin irritation: Irritating to skin, (rabbit), 4 hours, Draize Test. Eye irritation: Serious damage to eyes, (rabbit), 24 hours, OECD Test Guideline 405. Skin sensitization: No data.</p>	<p><u>Epoxy-Amine Curing Agent (proprietary)</u> Oral LD50: >2,000 mg/kg (rat), estimated Dermal LD50: >2,000 mg/kg (rabbit), estimated Inhalation LC50: No data. Sin: Moderate irritant/sensitizer. Eye: Moderate irritant.</p>
<p><u>Proprietary Reacted Amine Mixture</u> Oral LD50: >2,000 mg/kg (rat) - estimated Dermal LC50: >2,000 mg/kg (rabbit) - estimated Skin irritation: Severely irritating to skin. Eye irritation: Severely irritating to eyes. Skin sensitizer.</p>	<p><u>Triethylenetetramine (112-24-3)</u> Oral LD50: 2,500 mg/kg (rat) Skin irritation: Severely irritating to skin, (rabbit), 24 hours. Eye irritation: Severely irritating to eyes (rabbit).</p>
<p><u>Aromatic Naphtha (64742-95-6)</u> Oral LD50: >5,000 mg/kg (rat) for light aromatic naphtha Inhalation LC50: No Data Dermal LD50: >2,000 mg/kg (rabbit, male and female) estimated Skin: Moderate irritant, sensitizer Eye: Irritant ACGIH: Confirmed animal carcinogen with unknown relevance to humans</p>	<p><u>1,2,4-trimethylbenzene (95-63-6)</u> Oral LD50: 3,280 mg/kg (rat) Inhalation LC50: 18 mg/cubic meter (rat) Dermal LC50: >3,160 mg/kg</p>
	<p><u>Cumene (98-82-8)</u> Oral LD50: 1,400 mg/kg (rat) Dermal LC50: >3,160 mg/kg (rabbit) IARC Group 2B: Possibly carcinogenic to humans NTP: Reasonably anticipated to be human carcinogen</p>

12. ECOLOGICAL INFORMATION

<p><u>Triethylenetetramine (112-24-3)</u> Fish: LC50 : 570 mg/liter (Poecilia reticulata), 96 hours, semi-static. LD50: 496 mg/liter (Pimephales promelas), 96 hours. Daphnia and other invertebrates: LC50: 33,900 micrograms/liter, (Water Flea), 48 hrs.</p>	<p><u>N-Butanol (71-36-3)</u> Fish: LC50 1,376 mg/liter (Pimephales promelas) , 96 hours, OECD Test Guideline 203. Daphnia and other invertebrates: EC50: 1,328 mg/l, 48 hrs (Daphnia magna), OECD Test Guideline 202. Algae: EC50: 225 mg/liter, (Pseudokirchneriella</p>
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Algae: EC50: 3,700 micrograms/liter, 96 hours, (Green Algae). Bioaccumulation Potential: Concentration = low.	subcapitata), 96 hrs., OECD Test Guideline 201. Biodegradability: 98%, 19 days, OECD Test Guideline 301E. Bioconcentration Factor (BCF): 3.16
<u>Aromatic Naphtha (64742-95-6)</u> Fish: LL50: 10 mg/l (Oncorhynchus mykiss- Rainbow Trout), 96 hours. Semi-static test Daphnia and other inveterbrates: EL50: 4.5 mg/l, 48 hrs. (Daphnia magna), Static Test Algae: EL50: 3.1 mg/l, 72 hrs. (Pseudokirchneriella subcapita) Ecotoxicity Assessment: Toxic to aquatic life Chronic aqua/toxicity: Toxic to aquatic life with long lasting effects	<u>Aromatic Naphtha (64742-95-6)</u> Fish: LL50: 10 mg/l (Oncorhynchus mykiss- Rainbow Trout), 96 hours. Semi-static test Daphnia and other inveterbrates: EL50: 4.5 mg/l, 48 hrs. (Daphnia magna), Static Test Algae: EL50: 3.1 mg/l, 72 hrs. (Pseudokirchneriella subcapita) Ecotoxicity Assessment: Toxic to aquatic life Chronic aqua/toxicity: Toxic to aquatic life with long lasting effects
<u>Cumene (98-82-8)</u> Fish: LC50: 2.7 mg/liter (Oncorhynchus mykiss), 96 hours, semi-static Daphnia and other invertebrates: EC50: 7.9-14.1 mg/l, 48 hrs (Daphnia magna) Algae: EC50: 2.6 mg/l, 72 hrs. (Pseudokirchneriella subcapitata)	

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD:

Dispose in accordance with local, state and federal regulations. Incinerate in approved facility. Do not incinerate closed containers.

14. TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION or INTERNATIONAL AIR TRANSPORT ASSOCIATION or INTERNATIONAL MARITIME ORGANIZATION:

PROPER SHIPPING NAME: PAINT
UN OR ID NUMBER: U.N. 1263

HAZARD CLASS: 3
PACKING GROUP: III

15. REGULATORY INFORMATION

The following components are subject to the U.S. Emergency Planning and Community Right- To-Know Act (EPCRA), Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) or Section 112(b), Hazardous Air Pollutant, or 112(r) of the Clean Air Act:

Cumene: CERCLA RQ = 5,000 lbs. Listed for reporting under EPCRA Section 313. Listed under Section 112(b) of the Clean Air Act.

n-Butanol: CERCLA RQ = 5,000 lbs. Listed for reporting under EPCRA Section 313.

1,2,4-trimethylbenzene: Listed for reporting under EPCRA Section 313

California Proposition 65: WARNING: This product contains a chemical known to the State of California to cause cancer: cumene (98-82-8).

SARA 311/312 Hazards: Fire Hazard, Sudden Release of Pressure, Reactive, Acute Health Hazard, Chronic Health Hazard

Toxic Substances Control Act: All components of this product are either listed on the TSCA inventory or are exempt. This product contains no chemicals subject to the reporting requirements of TSCA 12(B) if exported from the United States.

16. OTHER INFORMATION


Abbreviations:

ACGIH: American Conference of Governmental Industrial Hygienists
AIHA: American Industrial Hygiene Association
CAL/OSHA: California Division of Occupational Safety and Health
CERCLA: Comprehensive Environmental Response, Compensation and Liability Act
COD: Chemical Oxygen Demand
EbC50: the concentration at which 50% reduction in biomass is observed
EC50: Effective Concentration, Half Maximal
ErC50: EC50 the concentration at which a 50% inhibition in growth rate is observed
LC50: Lethal Concentration 50%
LD50: Lethal Dose 50% (median value)
LD_{LO}: Lethal Dose (lowest value)
LL50: Lethal Level 50%
NOEC: No Observed Effect Concentration
OEL: Occupational Exposure Limit
OSHA: Occupational Safety and Health Administration
PEL: Permissible Exposure Limit
ThOD: Theoretical Oxygen Demand
TWA: Time Weighted Average
WEEL: Workplace Environmental Exposure Level

Date of SDS Preparation: March, 2017

Invoice

Page 1

FROM Tax ID/EIN/VAT No.: 72-1027081 Contact Name: Adeep Juneja Simco Coatings Inc. 211 Gunther Lane BELLE CHASSE, LA 70037 United States Phone: 5043939455	Waybill Number: 1ZE08E886856848687 Shipment ID: E08E88KJJMT  Date: 09/FEB/2018 Invoice No.: 112082 Purchase No.: PO038998 Terms of Sale (Incoterm): Reason for Export: Sale
SHIP TO Tax ID/VAT No.: Contact Name: Chantal Lavoie Dart Aerospace Ltd. 1270 Aberdeen St. HAWKESBURY, ON K6A1K7 Canada Phone: 613-632-5200	SOLD TO INFORMATION Tax ID/VAT No.: Contact Name: Same as Ship To Phone:

Units	U/M	Description of Goods/Part No.	Harm. Code	C/O	Unit Value	Total Value
8	L	UN 1263, Paint 3, PG-III		US	33.75	270.00 USD
4	L	UN 1263, Paint 3, PG-III		US	33.75	135.00 USD
8	L	UN 1263, Paint Related Material 3, PG-II		US	9.125	73.00 USD

Additional Comments:

Declaration Statement:
 I hereby certify that the information on this invoice is true and correct and the contents and value of this shipment is as stated above.

Adeep Juneja
Shipper


Date 2/9/18

Invoice Line Total:	478.00
Discount/Rebate:	0.00
Invoice Sub-Total:	478.00
Freight:	0.00
Insurance:	0.00
Other:	0.00
Total Invoice Amount:	478.00
Total Number of Packages: 3	Currency: USD
Total Weight: 63.0 LBS	

These commodities, technology or software were exported from the United States in accordance with the Export Administration Regulations. Diversion contrary to U.S. law prohibited.

Invoice

Page 1

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2/9/18

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Insurance:	0.00
Other:	0.00
Total Invoice Amount:	478.00

Total Number of Packages: 3

Currency: USD

Total Weight: 63.0 LBS

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DEPARTMENT OF THE TREASURY
UNITED STATES CUSTOMS SERVICE
North American Free-Trade Agreement
CERTIFICATE OF ORIGIN

See instruction sheet for Paper-
work Reduction Act Notice.

(Instructions for completion on reverse)

19 CFR 181.11, 181.22

(Please print or type)

1. EXPORTER NAME AND ADDRESS: Simco Coatings Inc. 211 Gunther Lane Belle Chasse, LA 70037 USA TAX IDENTIFICATION NUMBER: 72-1027081		2. BLANKET PERIOD (DD/MM/YY) FROM: 09/02/2018 TO: 09/03/2018			
3. PRODUCER NAME AND ADDRESS: TAX IDENTIFICATION NUMBER: 72-1027081		4. IMPORTER NAME AND ADDRESS: Dart Aerospace Ltd. 1270 Aberdeen Hawkesbury, ON K6A1K7 Canada TAX IDENTIFICATION NUMBER:			
5. DESCRIPTION OF GOOD(S):	6. H.S. TARIFF CLASSIFICATION NUMBER	7. PREFERENCE CRITERION	8. PRODUCER	9. NET COST	10. COUNTRY OF ORIGIN
1 Fibreboard Box containing Paint (Epoxy Coating Paint) weighing approximately 30 Lbs. and 18" X 18" X 11"	3208.90	A	Yes	No	U.S.A.
1 Fibreboard Box containing Paint (Epoxy Coating Paint) weighing approximately 16 Lbs. and 19" X 11" X 9"	3208.90	A	Yes	No	U.S.A.
1 Fibreboard Box containing Thinner weighing approximately 17 Lb and 9" X 8" X 12"	3208.90	A	Yes	No	U.S.A.
<p>I CERTIFY THAT:</p> <ul style="list-style-type: none">- THE INFORMATION ON THIS DOCUMENT IS TRUE AND ACCURATE AND I ASSUME THE RESPONSIBILITY FOR PROVING SUCH REPRESENTATIONS. I UNDERSTAND THAT I AM LIABLE FOR ANY FALSE STATEMENTS OR MATERIAL OMISSIONS MADE ON OR IN CONNECTION WITH THIS DOCUMENT;- I AGREE TO MAINTAIN, AND PRESENT UPON REQUEST, DOCUMENTATION NECESSARY TO SUPPORT THIS CERTIFICATE, AND TO INFORM, IN WRITING, ALL PERSONS TO WHOM THE CERTIFICATE WAS GIVEN OF ANY CHANGES THAT COULD AFFECT THE ACCURACY OR VALIDITY OF THIS CERTIFICATE;- THE GOODS ORIGINATED IN THE TERRITORY OF ONE OR MORE OF THE PARTIES, AND COMPLY WITH THE ORIGIN REQUIREMENTS SPECIFIED FOR THOSE GOODS IN THE NORTH AMERICAN FREE TRADE AGREEMENT, AND UNLESS SPECIFICALLY EXEMPTED IN ARTICLE 411 OR ANNEX 401, THERE HAS BEEN NO FURTHER PRODUCTION OR ANY OTHER OPERATION OUTSIDE THE TERRITORIES OF THE PARTIES; AND- THIS CERTIFICATE CONSISTS OF PAGES, INCLUDING ALL ATTACHMENTS.					
11a. AUTHORIZED SIGNATURE: <i>Adeep Juneja</i>		11b. COMPANY: Simco Coatings Inc.			
11c. NAME (PRINT OR TYPE) Adeep Juneja		11d. TITLE: Vice President			
11e. DATE: (DD/MM/YYYY) 09/02/2018		11f. TELEPHONE: (Voice 504-393-9455 (Fax) 504-433-1406			

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UNITED STATES CUSTOMS SERVICE
North American Free-Trade Agreement
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